67,010-031
H2597-PP
HSC010726

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Robert H. Perkinson	Group Art Unit:	3745
Serial No.:	10/680,922	Examiner:	Kershteyn, Igor
Filed:	October 8, 2003		

Title: **CYCLIC ACTUATION SYSTEM FOR A CONTROLLABLE PITCH PROPELLER AND A METHOD OF PROVIDING AIRCRAFT CONTROL THEREWITH**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT

Dear Sir:

This paper is responsive to the Office Action mailed on January 12, 2005. Please amend the application in the following particulars.

CERTIFICATE OF FACSIMILE

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office, (703) 872-9306, on April 7, 2005.

Beth A Beard

Beth A Beard

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REMARKS

Applicant wishes to thank the Examiner for the detailed remarks and allowance of claims 1-19. Claims 20-24 have been amended and new claims 25-27 are presented. Accordingly, claims 20-27 are pending.

Claims 20-23 were rejected under 35 U.S.C. §102(b) as being anticipated by *David (4650400)*. Claims 20-24 were rejected under 35 U.S.C. §102(b) as being anticipated by *David (4730795)*. Claims 20-23 were rejected under 35 U.S.C. §102(b) as being anticipated by *Weiland (4163630)*. Applicant respectfully traverses these rejections. The cited references are each for a helicopter. A helicopter operates under completely different rotary wing-principles. As recited in Applicant's background:

> Fully articulated rotors such as those of helicopters provide cyclic and collective pitch of the rotor blades. Articulation of the rotor disc plane vectors the rotor thrust to provide fore, aft and lateral movement of the helicopter with minimal bending moment of the rotor shaft. As compared to rigid turboprop propeller systems, articulated rotor systems of a helicopter are significantly more complex.

None of the cited references disclose ~~mounting the propeller system to an aircraft wing such that the plurality of rigidly mounted propeller blades of the propeller system are generally within a plane defined generally transverse of an aircraft wing~~ as recited in amended claim 20. The claims are properly allowable.

Claims 21, 22 and 24 were rejected under 35 U.S.C. §103(a) as being unpatentable over *David (4650400)* in view of *Bass et. al. (6789764)*. Applicant respectfully traverses this rejection. *Bass et. al* discloses only a dual rotor system helicopter. The amended claims are properly allowable.

New claims 25-27 recite further features of the present invention which are neither disclosed nor suggested by the cited references and are thus properly allowable.

Please charge $150.00 to Deposit Account No. 50-1482, in the name of Carlson, Gaskey & Olds, for 3 claims in excess of 20. If any additional fees or extensions of time are required, please charge to Deposit Account No. 50-1482.

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PATENT APPLICATION FEE DETERMINATION RECORD Effective October 1, 2003	Application or Docket Number 10680922

CLAIMS AS FILED - PART I

	(Column 1)	(Column 2)
TOTAL CLAIMS	9u	
FOR	NUMBER FILED	NUMBER EXTRA
TOTAL CHARGEABLE CLAIMS	24 minus 20=	* 4
INDEPENDENT CLAIMS	3 minus 3 =	* 0
MULTIPLE DEPENDENT CLAIM PRESENT		☐

* If the difference in column 1 is less than zero, enter "0" in column 2

SMALL ENTITY TYPE ☐		OR	OTHER THAN SMALL ENTITY	
RATE	FEE		RATE	FEE
BASIC FEE	385.00	OR	BASIC FEE	770.00
X$ 9=		OR	X$18=	72
X43=		OR	X86=	
+145=		OR	+290=	
TOTAL		OR	TOTAL	882

CLAIMS AS AMENDED - PART II

4-7-05

AMENDMENT A

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA
Total	* 27	Minus	** 24	= 3
Independent	* 3	Minus	*** 3	=
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM				☐

SMALL ENTITY		OR	OTHER THAN SMALL ENTITY	
RATE	ADDITIONAL FEE		RATE	ADDITIONAL FEE
X$ 9=		OR	X$18= 30	150
X43=		OR	X86=	
+145=		OR	+290=	
TOTAL ADDIT. FEE		OR	TOTAL ADDIT. FEE	150

AMENDMENT B

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA
Total	*	Minus	**	=
Ind pendent	*	Minus	***	=
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM				☐

RATE	ADDITIONAL FEE		RATE	ADDITIONAL FEE
X$ 9=	.	OR	X$18=	
X43=		OR	X86=	
+145=		OR	+290=	
TOTAL ADDIT. FEE		OR	TOTAL ADDIT. FEE	

AMENDMENT C

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA
Total	*	Minus	**	=
Independent	*	Minus	***	=
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM				☐

RATE	ADDITIONAL FEE		RATE	ADDITIONAL FEE
X$ 9=		OR	X$18=	
X43=		OR	X86=	
+145=		OR	+290=	
TOTAL ADDIT. FEE	.	OR	TOTAL ADDIT. FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20."
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3."
The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

FORM PTO-875 (Rev. 10/03)

Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE